PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number BANGALLO Camandata if Manua

Substitute	TOT TOTTIL 1449B/PT	U	DEMP		Complete if Known
	INFORMATION DISCLOSURE		Application Number	10/001,895	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	November 19, 2001		
STAT	EMENT B	Y A	PPLICANT	First Named Inventor	Jonathan J. Hull
				Group Art Unit	2173
	(use as many sh	eets as	necessary)	Examiner Name	Unassigned X.L. BAUTISTOR
Sheet	1	of	5	Attorney Docket Number	015358-006500US

Substitute f	or form 14	49B/PTO	ADEMARK	Complete if Known			
INITO	384 A T	ION DICCL OCUE	Application Number	10/001,895			
		ION DISCLOSUR	1 Filling Date	November 19, 2001			
STAT	EMEN	IT BY APPLICAN	First Named Inventor	Jonathan J. Hull	LL CA		
			Group Art Unit	2173	ON SIL		
(4	use as m	any sheets as necessary)	Examiner Name	Unassigned X.L. BAUTIST	The second		
Sheet	1	of 5	Attorney Docket Number	015358-006500US	The ton		
					- One		
	· · · - ·	OTHER PRIOR AR	T NON PATENT LITERATURE	DOCUMENTS	TO TOO TOO TOO TOO		
Examiner Initials *	Cite No. ¹	item (book, magazine,	or (in CAPITAL LETTERS), title of the a , journal, serial, symposium, catalog, e ber(s), publisher, city and/or country wh	tc.), date, page(s), volume-issue	T 2		
XLL	1.	Adobe Premiere (video editing	software) from Http://www.adobe.com (2002	2).			
XLL) ^{2.}	BOBICK et al. "A State Based A Analysis and Machine Intelligen	Approach to the Representation and Recogr nce, pp. 1325-1337 (1997).	nition of Gesture," IEEE Trans. on Pattern			
XLB.	3.		active Comic Book Presentation for Exploring 0), ACM Press, pp. 185-192, 2000.	g Video," Conference on Human factors in			
XLB	4.	BOYKIN et al, "Improving Broad	BOYKIN et al, "Improving Broadcast News Segmentation Processing," IEEE Multimedia '99 (1999).				
XLB	5.	BOYKIN et al. " Machine learnin 41(2000).	BOYKIN et al. " Machine learning of Event Segmentation for News on Demand," Communications of the ACM, 43:35-41(2000).				
XLB	6.	BROWN et al. "Automatic Conto (1995).	tent-Based Retrieval of Broadcast News," AC	CM Multimedia 5, San Francisco, CA			
XLB.	7.	CAJ et al. "Integrated Multimedi WWW8 Conference, 1999.	dia Publishing – Combining TV and Newspar	per Content on Personal Channels,"			
XLB	8.	CHEN et al. "Emotion Recogniti Processing, Los Angeles, CA, L	tion from Audiovisual Information," Proc. IEE USA, pp. 83-88 (1998).	E Workshop on Multimedia Signal			
XLB	9.	CHEN et al. "ViBE: A Video Ind Multimedia Storage and Archivi	dexing and Browsing Environment," Proceed ring Systems September 20-22, 1999, Bosto	ings of the SPIE Conference on n 3846:148-164 (1999).			
XLB	10.	CHIU et al. "NoteLook: Taking	Notes in Meetings with Digital Video and Inl	k," ACM Multimedia 99 Orlando, (1999).			
XLB	11.	CHIU et al. "Automatically linkin ACM, New York, pp. 244-245 (2	ng multimedia meeting documents by image (2000).	matching," Proceedings of Hypertext '00.			
XLB	12.		eo Skims into Useful Multimedia Abstraction ng Systems (Los Angeles, CA, April 1998), p				
XLB	13.	11:35-257 (1998).	Visualization within a Digital Video Library," J				
XLB	14.	DELLAERT et al. "Recognizing Spoken Language Processing I	g emotion in speech," Proceedings ICSLP 9(New York (Cat. No. 96TH8206). IEEE. Vol.	5. Fourth International Conference on 1970-1973 (1996).			
XLB	15.	DIMITROVA et al. "Video Keyfn 1997:113-120 (1997).	rame Extraction and Filtering: A Keyframe is	not a Keyframe to Everyone," CIKM			

Examiner Signature	χ.	2.	Bautista	Date Considered	6/7/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 J.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

to respond to a collection of information unless it contains a valid OMB control number Under the Paperwork Reduction Act of 1965, no persons are requires

Substitute f	or form 14	49B/PTO		ENT& TRAD	MARIE	Complete if Known		
			201 00		Application Number	10/001,895		
		ION DI			Filing Date	November 19, 2001	\)_
STAT	EMEN	NT BY A	NPPLIC	ANT	First Named Inventor	Jonathan J. Hull	K	% .
					Group Art Unit	2173	To 44	CV.
(use as m	any sheets a	is necessar	y)	Examiner Name	Unassigned	Silva V	`\\\
Sheet	2	of	5		Attorney Docket Numb	per 015358-006500US	100,	<i>ې</i> ۲
		ОТНІ	ER PRIOF	ART NOI	N PATENT LITERATU	RE DOCUMENTS	Technology Center	2100
Examiner Initials *	Cite No.1		book, maga	zine, journal, :		he article (when appropriate), t g, etc.), date, page(s), volume- y where published.	title of the	
XLB	16.		DOERMANN et al. "Applying Algebraic and differential invarients for logo recognition," Machine Vision and Applications 9:73-86 (1996).				nd	
XLB	17.	DONATO et (1999).	al. "Classifyi	ng Facial Actions	s", IEEE Trans. on Pattem Ar	nalysis and Machine Intelligence, 2	1:974-989	٠
XLB	18.	ESSA et al. and Machine	ESSA et al. "Coding Analysis Interpretation and Recognition of Facial Expressions, IEEE Trans. on Pattern Analysis and Machine Intelligence, 19:757-763 (1997).				m Analysis	
XLB	19.	Face recogn	Face recognition techniques described at web site http://www.visionics.com (2002).					
XLB	20.	FOOTE, Jon Bristol, UK ("An Intelligent M	edia Browser using Automati	c Multimodal Analysis," ACM Multir	media 8,	
XLB	21.	FURUI et al. 43(2):71-73,		Broadcast News	Transcription and Information	n Extraction," Communications of the	ne ACM,	
XLB	22.	GAUVAIN e 70 (2000).	t al. "Transcri	bing Broadcast I	News for Audio and Video Inc	dexing," Communications of the AC	CM, 43:64-	
XLB	23.	GIBBON "G Alignment,"	enerating Hyp Handbook of	permedia Docum Internet and Mu	nents from Transcriptions of I Itimedia Systems and Applica	elevision Programs Using Parallel ations, David C. Gibbon; CRC Pres	Text ss, (1998).	
XLB	24.	GORDON "U Conference	GORDON "Using annotated video as an information retrieval interface," ACM Proceedings of the 5th international Conference on Intelligent User Interfaces New Orleans pp. 133 - 140 (2000)					
XLB	25.	HAUPTMAN Computation	IN et al. "Text nal Models for	t, speech and vis r Integrating Lan	sion for video segmentation: guage and Vision, Boston, M	the informedia project," Proc. AAAI IA, Nov. 10-12, 1995.	Fall Symp.	
XLB	26.				and Detection of Commercia ra, CA, April 22-23 1998.	ls in Broadcast News Video," Adva	nnces in	
XLB	27.	HE et al. "Co Computing S	omparing Pre Systems (CH	sentation Summ 2000), April 1-6	aries: Slides vs. Reading vs., 2000.	Listening," Conference on Human	factors in	
XLB	28.	HECHT "Em	bedded data	glyph Technolo	gy for Hardcopy Digital Docu	ments," Proc. SPIE 2171:341-352 ((1994).	

Examiner Signature	X.L. Boutista	Date Considered	6/7/04	
-----------------------	---------------	--------------------	--------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/001,895

Filing Date November 19, 2001

First Named Inventor Jonathan J. Hull

Group Art Unit 2173

Examiner Name Unassigned

(use as many sheets as necessary)

Sheet 3 of 5 Attorney Docket Number 015358-006500US

		· ·	<u>C</u>
XLB	29.	HECHT "Printed Embedded Data Graphical User Interfaces," IEEE Computer, March 2001.	Conto
XLB	30.	HU et al. "Multimedia Description Framework (MDF) for content descriptions of Audio/Video Documents," Fourth ACM Conference on Digital Libraries (DL '99) August 11-14, 1999.	
XLB	31.	IOFFE et al. "Finding people by sampling," Proc. International Conference on Computer Vision, pp. 1092-1097 (1999).	
XLB	32.	JIN et al. "Topic Tracking for Radio, TV Broadcast, and Newswire," Proceedings of the DARPA Broadcast News Workshop, Feb. 28-Mar 3, 1999, Herndon, VA.	
XLB	33.	KOMLODI et al. "Key Frame Preview Techniques for Video Browsing," (Proceedings of the 3rd ACM International Conference on Digital Libraries, June 23-26, 1998, Pittsburgh, pp. 118-125 (1998).	
XLB	34.	LI et al. "Automatic Text Detection and Tracking in Digital Video," IEEE Transactions on Image Processing – Special Issue on Image and Video Processing for Digital Libraries, 9:147-156 (2000).	
XLB	35.	LI et al. "Text Extraction and Recognition in Digital Video," Proceedings of Third IAPR Workshop on Document Analysis Systems, pp. 119-128, 1998.	
XLB	36.	Li et al. "VISION: a digital video library," Proceedings of the 1st ACM International Conference on Digital Libraries, pp. 19-27, 1996.	
XLB	37.	LIANG et al. "Practical video indexing and retrieval system SPIE 3240:294-303, (1988).	
XLB	38.	LIENHART et al. "On the Detection and Recognition of Television Commercials," Proc. IEEE Conf. on Multimedia Computing and Systems, Ottawa, Canada, pp. 509-516, June 1997.	
XLB	39.	MA et al. "An Indexing and Browsing System For Home Video," Invited paper, EUSIPCO '2000, 10th European Signal Processing Conference, 5-8, Sept. 2000, Tampere, Finland.	
XLB	40.	MAYBURY "News on Demand," Communications of the ACM, 43:33-34 (2000).	
XLB	41.	MAYBURY et al. "Segmentation, Content Extraction and Visualization of Broadcast News Video Using Multistream Analysis," AAAI Paper (1997).	
XLB	42.	MAYBURY et al. "Multimedia Summaries of Broadcast News," International Conference on Intelligent Information Systems pp. 447-449 (1997).	
XLB	43.	MAYBURY et al. "Multimedia Summaries of Broadcast News," International Conference on Intelligent Information Systems, December 8-10, 1997.	
XLB) 44.	MERIALDO et al. "Automatic Construction of Personalized TV News Programs," Seventh ACM International Multimedia Conference, Orlando November 1999.	
XLB	45.	MERLINO et al. "Broadcast News Navigation using Story Segmentation," Advanced Information Systems Center, The MITRE Corporation (1997).	

Examiner Signature	X. L. Bautista	Date Considered	6/7/09

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paperwork Reduction Act of 1993 (appersons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 5

(RAD	EMAR	Complete if Known
	Application Number	10/001,895
RE	Filing Date	November 19, 2001
IT	First Named Inventor	Jonathan J. Hull
	Group Art Unit	2173
	Examiner Name	Unassigned
	Attorney Docket Number	015358-006500US

			4
XLB	46.	MERLINO et al. "Broadcast News Processing Techniques," MITRE Technical Report, MTR 99B0000031, April 1999.	Q
XLB	47.	MOHAN "Text-based search of TV news stones," Proc. SPIE 2916:2-13 (1996).	
XLB	48.	MYERS et al. "Multi-View Intelligent Editor for Digital Video Libraries," First ACM and IEEE Joint Conference on Digital Libraries, June 24-28, 2001, Roanoke, VA, pp. 106-115.	
XLB	49.	OH et al. "Efficient and Cost-effective Techniques for Browsing and Indexing Large Video Databases," SIGMOD Conference 2000: 415-426	
XLB	50.	PHOTINA et al. "Improving acoustic models with captioned multimedia speech," Proceedings IEEE International Conference on Multimedia Computing and Systems, 2:767-71 (1999).	
XLB	51.	ROWLEY et al. "Neural network-based face detection," IEEE Transactions on Pattern Analysis and Machine Intelligence," 20:23-38 (1998).	
XLB	52.	SHAHRARAY et al. "Automated Authoring of Hypermedia Documents of Video Programs," ACM Multimedia 95, November 5-9, 1995, San Francisco, CA (1995).	
XLB	53.	SHAHRARAY et al. "Automatic generation of pictorial transcripts of video programs," Proceedings of the SPIE- Int. Soc. Opt. Eng. 2417:512-518 (1995).	
XLB	54.	SHAHRARAY et al. "Pictorial transcripts: multimedia processing applied to digital library creation," 1997 IEEE First Workshop on Multimedia Signal Processing pp. 581-586 (1997).	
XLB	55.	SMITH et al. "Video Skimming and Characterization through the Combination of Image and Language Understanding," Computer Vision and Pattern Recognition IEEE 1997.	
XLB	56.	SONMEZ et al. "Multiple speaker tracking and detection: handset normalization and duration scoring," Digital Signal Processing 10:133-143 (2000).	
XLB	57.	SUDA et al. "Logo and word matching using a general approach to signal registration," Fourth International Conference on Document Analysis and Recognition, Ulm, Germany, August 18-20, 1997, pp. 61-65.	
XLB	58.	TENNENHOUSE et al. "A software-oriented approach to the design of media processing environments," Proceedings of the IEEE International Conference on Multimedia Computing and Systems, pp. 435-444 (1994).	
XLB	59.	TONOMURA et al. "VideoMAP and VideoSpaceIcon: tools for anatomizing video content," Proc. INTERCHI '93 ACM pp 131-136 (1993).	
XLB	60.	UCHIHASHI et al. "Summarizing Video Using a Shot Importance Measure and a Frame-Packing Algorithm," Proceedings of the International Conference on Acoustics, Speech, and Signal Processing (Phoenix, AZ) 6:3041-3044 (1999).	
XLB	61.	UCHIHASHI et al. "Video Manga: Generating Semantically Meaningful Video Summaries," ACM Multimedia 99, Orlando, Florida, October 30-November 5, 1999.	
XLB	62.	Video content management and publishing software from Virage http://www.virage.com (2002).	

Examiner Signature	r. L. Bauterta	Date Considered	6/7/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

RADEMARIN	Complete if Known	•
Application Number	10/001,895	_
Filing Date	November 19, 2001	2
First Named Inventor	Jonathan J. Hull	7
Group Art Unit	2173	_
Examiner Name	Unassigned	_
Attorney Docket Number	015358-006500US	3

		· · · · · · · · · · · · · · · · · · ·	
XLB	63.	"Video Mail Retrieval Using Voice" Cambridge University Engineering Department Computer Laboratory and Olivetti Research Laboratory summary of research found at http://svr-www.eng.cam.ac.uk/research/projects/vmr/ (1997).	700
XLB	64.	WACTLAR et al. "Complementary Video and Audio Analysis for Broadcast News Archives," Communications of the ACM, 43:42-47 (2000).	
XLB	65.	WACTLER et al. "Intelligent access to digital video: Informedia project," Computer 29:46-52 (1996).	
XLB	66.	WEISS et al. "Composition and Search with a Video Algebra," IEEE Multimedia 2:12-25 (1995).	
XLB	67.	WITTENBURG et al. "Browsing with Dynamic Key Frame Collages in Web-Based Entertainment Video Services," In Proceedings of IEEE International Conference on Multimedia Computing and Systems, June 7-11, 1999, Florence, Italy 2:913-918 (1999).	
XUB	68.	ZHANG et al. "Detection of text Captions in Compressed domain Video, " International Multimedia Conference Proceedings of the 2000 ACM workshops on Multimedia 2000, Los Angeles, California, United States pp. 201 – 204.	

Examiner Signature	X. L. Sai	stista	Date Considered	6/7/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

COPY OF PAPERS **ORIGINALLY FILED**

PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

JUL 1 6 2002

Substitute for form PTO STRADE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

	Complete if Known
Application Number	10/001,895
Filing Date	November 19, 2001
First Named Inventor	Jonathan J. Hull
Art Unit	2173
Examiner Name	Unassigned X. L. Bautista
Attorney Docket Number	015358-006500US

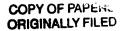
			U.S. PATENT D	OCUMENTS	
		Document Number			
Examiner	Cite No. ¹	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
K1.B	1	6,182,090	01-30-2001	Peairs	7/5/500
VLB	2	6,101,503	08-08-2000	Cooper et al.	707/104,1
7/B	3	6,055,542	04-25-2000	Nielsen et al.	707/104.1
XZB	4	6,028,601	02-22-2000	Machiraju et al.	345/705
XLB	5	6,026,409	02-15-2000	Blumenthal	707 1,109-1
YZB	6	6,021,403	02-01-2000	Horvitz et af.	706/45
KLB.	7	6,006,218	12-21-1999	Breese et al.	DECENTED 707/8
XZB	8	5,987,454	11-16-1999	Hobbs	707/4
XLR	9	5,950,187	09-07-1999	Tsuda	1 0 0002 707/3
XLB	10	5,946,678	08-31-1999	Aalbersberg	JUL 1 9 2002 707/3
KLB	11	5,943,679	08-24-1999	Niles et al.	715/526
XZB	12	5,873,107	02-16-1999	Borovoy et al.	Technology Center 2100 7/5/5
XZB	13	5,870,770	02-09-1999	Wolfe	345/805
XZZ	14	5,860,074	01-12-1999	Rowe et al.	7/5/526
XLB	15	5,857,185	01-05-1999	· Yamamura	707/5
XLB	16	5,838,317	11-17-1998	Bolnick et al.	345/764
XLB	17	5,832,474	11-03-1998	Lopresti et al.	707/2
XZR	18	5,819,301	10-06-1998	Rowe et al.	7/5/5/3
XLB	19	5,784,616	07-21-1998	Horvitz	7/8/102
XLB	20	5,781,785	07-14-1998	Rowe et al.	7/5/5/3
XLB	21	5,778,397	07-07-1998	Kupiec et al.	715/500
XLB	22	5,761,655	06-02-1998	Hoffman	707 /4
XIA	23	5,748,805	05-05-1998	Withgott et al.	382 / 306
XZA	24	5,737,599	04-07-1998	Rowe et al.	707/10
YLB	25	5,694,559	12-02-1997	- Hobsen et al. HO	SON et al. 345/705
XLB	26	5,680,636	10-21-1997	Levine et al.	7/5/5/2
XLB	27	5,638,543	06-10-1997	Pedersen et al.	704/1
XZB	28	5,596,700	01-21-1997	Damell et al.	715 / 5/2
XLB	29	5,481,666	01-02-1996	Nguyen et al.	345/854
XLB	30	5,479,600	12-26-1995	Wroblewski et al.	345/787
XLB	31	5,442,795	08-15-1995	Levine et al.	345/775
XLA	32	5,418,948	05-23-1995	Turtle	707/4
XLB	33	5,404,295	04-04-1995	Katz et al.	707 /2
YLA	34	5,384,703	01-24-1995	Withgott et al.	7/5/531

Examiner Signature	X. L. Bautista	Date Considered	6/7/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-01) Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1 100/PTO TA TRADEN INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

	Complete if Known					
Application Number	10/001,895					
Filing Date	November 19, 2001					
First Named Inventor	Jonathan J. Huli					
Art Unit	2173					
Examiner Name	Unassigned					
Attorney Docket Number	015358-006500US					

		Document Number			
	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
XLB	35	5,349,658	09-20-1994	O'Rourke et al.	345/839
XLB	36	5,309,359	05-03-1994	Katz et al.	R=()=\/=\/702
XLB	37	5,153,831	10-06-1992	Yianilos	7/5/531
XLB	38	4,823,303	04-18-1989	Terasawa	7/5/5/5 1 0 2002
XLB	39	4,417,239	11-22-1983	Demke et al.	JUL 1 9 2002 345/85

	FOREIGN PATENT DOCUMENTS							
	0.11	Foreign Patent Document		ent	nt	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No.1	Country Code ³	Number ⁴	ind Code ^s (# known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	⊤ 6
XLB	40	EP	802 492	A1	10-22-1997	IBM Corporation		
XLB	41	EP	762 297	A2	03-12-1997	Sun Microsystems		
FLB	42	EP	737 927	A2	10-16-1996	Xerox Corporation		
KLB	43	EP	378 848	A2	07-05-1990	IBM Corporation		
XLB	44	EP	459 174	B1	11-20-1996	Cina		
XLB	45	GB	2 290 898	Α	01-10-1996	Canon Business Machines, Inc.		
XLB	46	GB	2 234 609	Α	02-06-1991	IBM Corporation		
XLB	47	GB	2 156 118	Α	10-02-1985	Canon Kabushiki Kaisha		
XLB	48	GB	2 137 788	Α	10-10-1984	Gavilan Computer Corporation		
XLB	49	JP	8-297677	Α	11-12-1996	Xerox Corporation		
7								

Examiner Signature	X. L. Bautista	Date Considered	6/7/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

PA 3233461 v1

COPY OF PAPERS ORIGINALLY FILED

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Tredemark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE rithe Paperwork Reduction of information unless it contains a valid OMB control number

Substitute for form 198/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/001,895

Filing Date November 19, 2001

First Named Inventor Jonathan J. Hull

Art Unit 2173

Examiner Name Unassigned

(use as many sheets as necessary)

Sheet 3 of 4 Attorney Docket Number 015358-006500US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
XLB	50	Acrobat Reader Version 2.0 (software application), Adobe Systems Incorporated, screenshots Figures 1-10 (1994).					
XLB	51	Adobe Acrobat Reader 3.0 screen dumps (fig. 1-3), (1996).					
XLB	52	Adobe Systems, Inc., "Adobe Photoshop 4.0 User Guide for Macintosh and Windows," pp 24 44 (1996)	つ				
XLB	53	Apple Macintosh system 7 reference manual, pages 30-31 (1991). JUL 1 9 2002					
XLB	54	BALL et al. "Software Visualization in the Large", IEEE Computer, 29: 33-43 (1996). Technology Center	210(
XLB	55	BOGURAEV et al. "Salience-Based Content Characterisation of Text Documents," Proceedings of the ACL/EACL Workshop on Intellegent [Sic] Scalable Text Summarization, 1997. Topic identification, Discourse-based summarization. pp. 1-12 (1997).					
XLB	56	BRANDOW et al. "Automatic Condensation of Electronic Publications by Sentence Selection," <u>Information Processing and Management</u> , 31(5):675-685 (1995).					
XLB	57	GLIEDMAN "Virtual Office Managers," Computer Shopper, 18:290 (1998).					
XLB	58	GREENBERG et al., "Sharing fisheye views in relaxed-WYSIWIS groupware applications," <u>Proceedings of Graphics Interface</u> , Toronto, Canada, May 22-24, 1995, Distributed by Morgan-Kaufmann, Pp. 28-38, http://www.cpsc.ucalgary.ca/grouplab/papers/1996/96-Fisheye.Gl/gi96 fisheye.html.					
XLB	59	HEARST et al. "TileBars: Visualization of Term Distribution Information in Full Text Information Access," Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Denver, CO., May 1995, Pp. 1-8, http://www.acm.org/sigchi/chi95/Electronic/documnts/papers/mah bdy htm.					
XLB	60	HILL et al. "Edit Wear and Read Wear", ACM, pp. 3-9 (May 3-7, 1992).					
XLB	61	LANGLEY "An Analysis of Bayesian Classifiers," Proceedings of the Tenth National Conference on Artificial Intelligence, pp. 223-228, 1992.					
XLB	62	LANGLEY "Induction of Selective Bayesian Classifiers," Proceedings of the Tenth National Conference on Uncertainty in Artificial Intelligence, pp. 400-406, (1994).					
XLB	63	MANBER "The Use of Customized Emphasis in Text Visualization," Proceedings of 1997 IEEE Conf. on Information Visualization, pages 132-138, (1997).					
XLB	64	SCHWEIGHOFER et al. "The Automatic Generation of Hypertext Links in Legal Documents," <u>Lecture Notes in Computer Science</u> , vol. 1134, Wagner et al., eds., from 7th Int. Conf., DEXA 96', held 9/96 in Zurich, Switzerland (1996)					

Examiner Signature X. L. Bour	Date Considered	6/7/04	
-------------------------------	--------------------	--------	--

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

COPY OF PAPErson

PTO/SB/08B (10-01) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

98/PTO Substitute for for TRADE INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/001,895 **Application Number** Filing Date November 19, 2001 First Named Inventor Jonathan J. Hull Art Unit 2173 **Examiner Name** Unassigned

(use as many sheets as necessary)

Attorney Docket Number 015358-006500US **Sheet**

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2			
XLB	65	SUMITA et al. "Document Structure Extraction for Interactive Document Retrieval Systems," <u>Proceedings of SIGDOC 93</u> , pages 301-310, (1993).				
XLB	66	TAGHVA et al. "An Evolution of an Automatic Markup System," SPIE, 2422:317-327 (1995).				
XLB	67	TAXT "Segmentation of Document Images," IEEE 11:1322-1329 (1989).				

RECEIVED

JUL 1 9 2002

Technology Center 2100

Examiner Signature	χ_{\star}	۷.	Bautista	Date Considered	6/7/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.